

10219 PCT
1/7

Identification Scheme of Table 1 Biomarkers

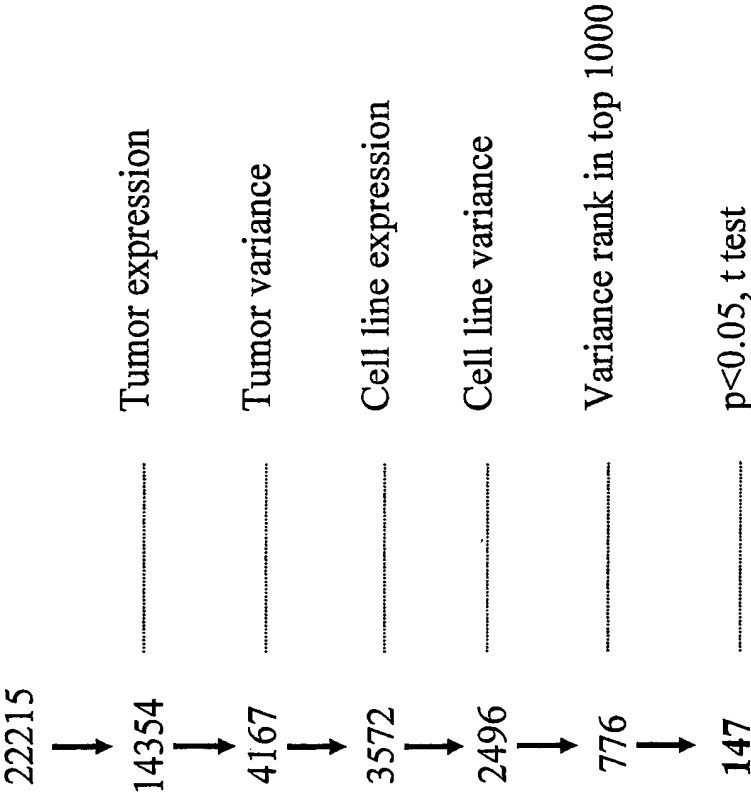


FIG. 1

10219 PCT
2/7

Identification Scheme of Table 2 Biomarkers

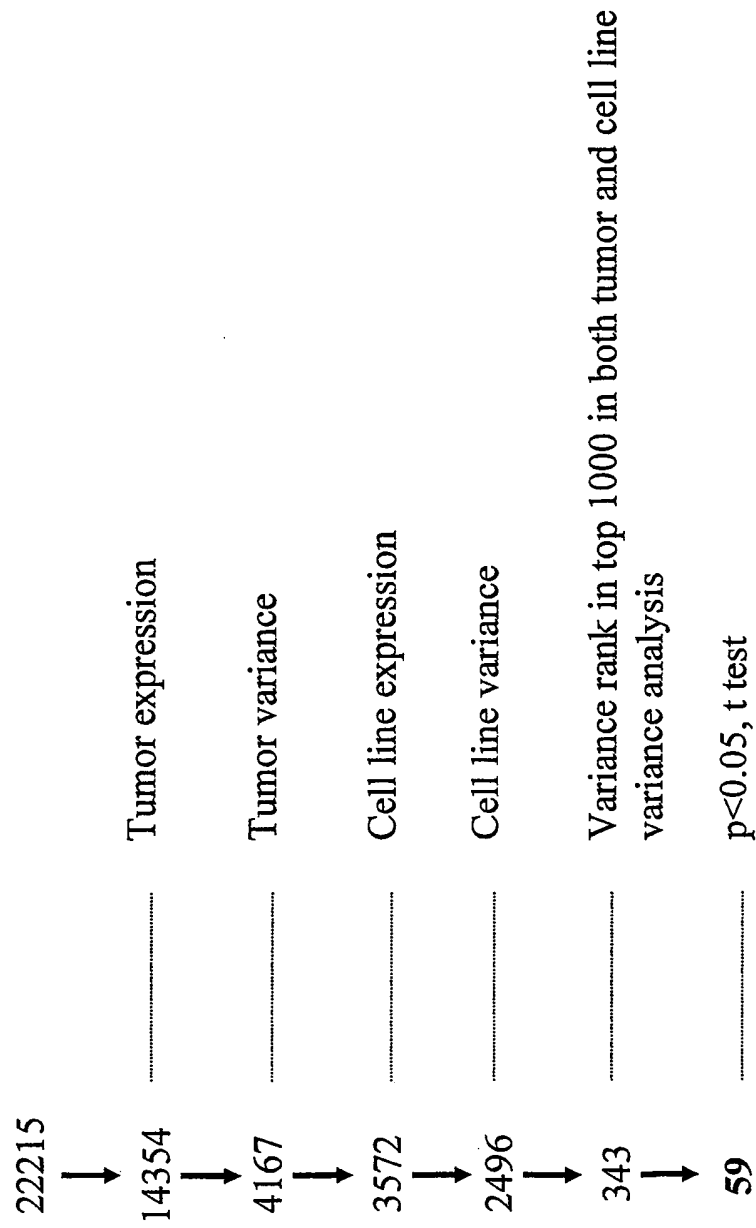


FIG. 2

10219 PCT
3/7

EGFR Expression in NSCLC Cell Lines

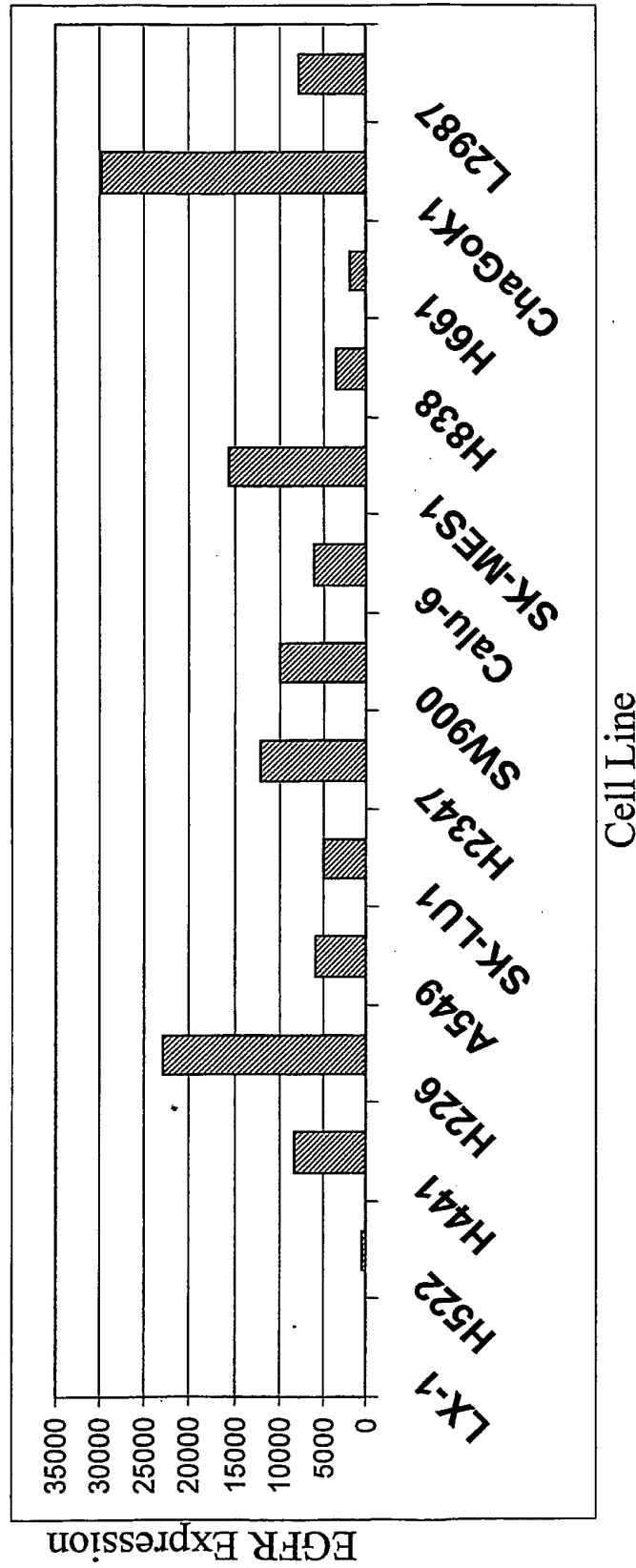


FIG. 3

10219 PCT
4/7

Variance Analysis of Expression Profiles

29 Adenocarcinoma Tumors

- 22,215 probe set Affymetrix GeneChip® HG-U133A array profiles of 29 lung adenocarcinoma tumors
- 14,354 probe sets present ($p \leq 0.04$) in at least 2 samples
- Calculate variance and rank probe sets

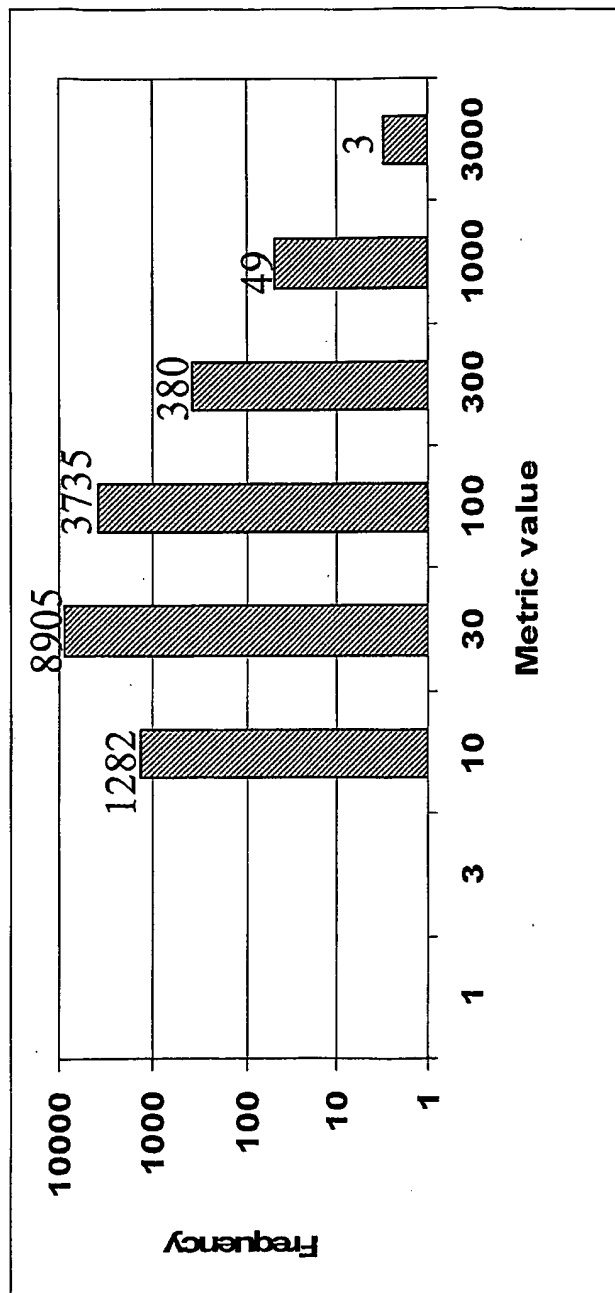
14 NSCLC Cell Lines

- 22,215 probe set Affymetrix GeneChip® HG-U133A array profiles of 14 NSCLC cell lines
- 13,909 probe sets present ($p \leq 0.04$) in at least 2 cell lines
- Calculate variance and rank probe sets

FIG. 4

10219 PCT
5/7

Variance Metric Distribution of Probe sets

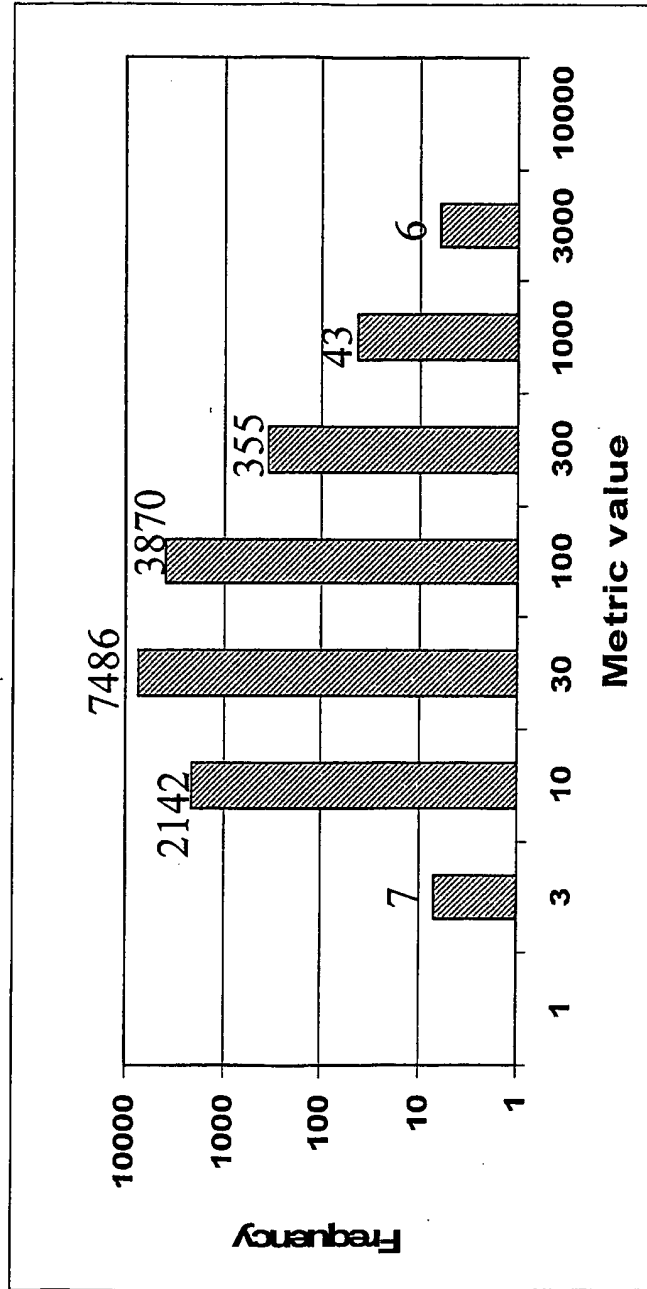


Adenocarcinoma Tumors - 4167 probe sets of WSpread(90-10) ≥ 30

FIG. 5

10219 PCT
6/7

Variance Metric Distribution of Probe sets

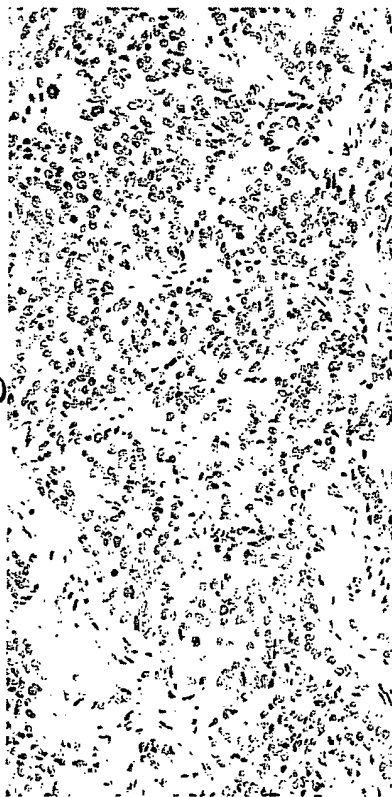


Cell Lines - 4274 probe sets of WSpread(90-10) ≥ 30

FIG. 6

10219 PCT
7/7

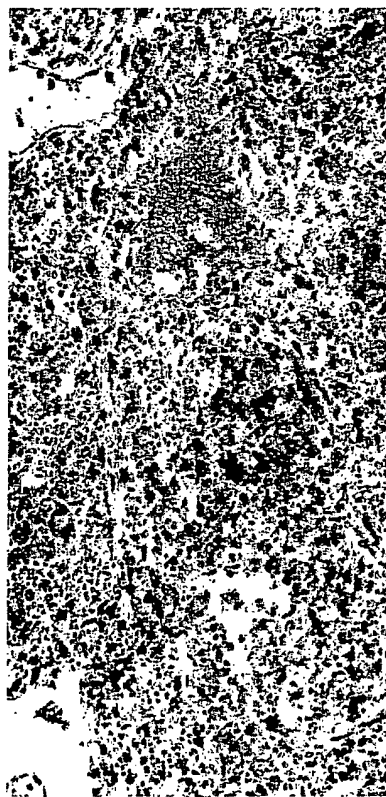
0 Negative



0.5 Low



1+ Moderate



2+ High



FIG. 7